

smallpox.ST25
SEQUENCE LISTING

<110> Her Majesty the Queen in Right of Canada as Represented by
the Minister of Health
Czub, Markus
Grolla, Allen

<120> kit for Molecular Identification of Smallpox

<130> 85084-503

<150> US 60/463333
<151> 2004-04-17

<160> 25

<170> PatentIn version 3.2

<210> 1
<211> 22
<212> DNA
<213> Artificial

<220>
<223> synthetic primer or template

<400> 1
atgccggtac ttatgtatgt gc 22

<210> 2
<211> 20
<212> DNA
<213> Artificial

<220>
<223> synthetic primer or template

<400> 2
tcttgtctgt tgtggattct 20

<210> 3
<211> 18
<212> DNA
<213> Artificial

<220>
<223> synthetic primer or template

<400> 3
taccgtctc agcgaatc 18

<210> 4
<211> 20
<212> DNA
<213> Artificial

<220>
<223> synthetic primer or template

<400> 4

smallpox.ST25

accgtctccg aatgcggcat 20

<210> 5
 <211> 330
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 5
 atgccggtac ttatgtatgt gcattcttta tgacatcaac tacaaatgat actgataaag 60
 tagattatga agaatactct acagagttga ttgtaaacac agatagtga tgcactatag 120
 acataatact atctggatct tcacattcac cggaaactag ttctgagaaa cctgattata 180
 taaataattt taattgctcg ttggtatttg aaatcgcgac tccgggacca attactgata 240
 atgtagaaaa tcatacagac actgtcacat acactagtga tatkattaat acagtaagta 300
 catcatctgg agaattccaca acagacaaga 330

<210> 6
 <211> 274
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 6
 taccggtctc agcgaatcca tcttaacgtc ggaactaact attactatga atcacacaga 60
 ttgcaatccc gtatttcgtg aggaatactt ctctgtcctt aataaggtag caacttcagg 120
 attttttaca ggagaaaata gatatacaaaa tatttcaaag gtgtgtactt taaattttga 180
 gattaaatgt aataacaaag gttcttcctt caaacagcta acgaaagcaa agaattgatga 240
 cggtatgatg tcgcattcgg agacggtaac tcta 274

<210> 7
 <211> 324
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 7
 atgccggtac ttatatatgt gcattcttta tgacatcgac tacaaatgat actgataaag 60
 tagattatga agaatactcc atagagttga ttgtaaatac agatagtga tgcactatag 120
 acataatact atctggatct acaccgaaa ctatttctga gaaaccagag gatatagata 180
 attctaattg ctcgtctgta ttcgaaatcg cgactccgga accaattact gataatgtag 240
 aagaccatac agacaccgtc acatacacta gtgatagcat taatacagta aatgcatcat 300

smallpox.ST25

ctggagaatc cacaacagac gaga 324

<210> 8
 <211> 264
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 8
 taccggtctc agcgaatcca tctcaacgctc ggaactaact attaccatga atcataaaga 60
 ttgtgatccc gtcttttcgtg cagaatactt ctctgtcctt aataatgtag caacttcagg 120
 attctttaca ggagaaaata gatatcagaa tacttcaaag atatgtactc tgaatttcga 180
 gattaaatgt aacaacaaag attcatcttc caaacagtta acgaaaacaa agaatgatac 240
 tatcatgccg cattcagaga cggt 264

<210> 9
 <211> 71
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 9
 atgccggtac ttatatatgt gcattcttta tgacatcaag cttgcggccg ctgcagacta 60
 caaatgatac t 71

<210> 10
 <211> 64
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 10
 taccggtctc agcgaatcca tctyaagctt gcggccgctg cagaacgctg gaactaacta 60
 ttac 64

<210> 11
 <211> 69
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 11
 cgtctctgaa tgccgcatga tagtatcatt ctttgtctgc agcggccgca agctttcgtt 60

smallpox.ST25

aactgtttg

69

<210> 12
 <211> 84
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 12
 atgccggtac ttatctatgt gcattcttta tgacatcaac tacaaatgat actaataaag 60
 tagattatga agaatactct acag 84

<210> 13
 <211> 103
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 13
 ctcagaacta gtttccggtg aatgtgaaga tccagatagt attatgtcta tagtcgattc 60
 actatctgtg tttacaatca actctgtaga gtattcttca taa 103

<210> 14
 <211> 103
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 14
 caccggaaac tagttctgag aaacctgatt atataaataa ttttaattgc tcgttggtat 60
 ttgaaatcgc gactccggga ccaattactg ataattgata aaa 103

<210> 15
 <211> 99
 <212> DNA
 <213> Artificial

<220>
 <223> synthetic primer or template

<400> 15
 tcttgtctgt tgtggattct ccagatgatg tacttactgt attaattgata tcactagtta 60
 tgtgacagtg tctgtatgat tttctacatt atcagtaat 99

<210> 16
 <211> 84
 <212> DNA
 <213> Artificial

smallpox.ST25

<220>
 <223> synthetic primer or template

 <400> 16
 atgccggtac ttatatatgt gcattcttta tgacatcgac tacaaatgat actgataaag 60
 tagattatga agaatactcc atag 84

 <210> 17
 <211> 99
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic primer or template

 <400> 17
 ctacagaaata gtttccggtg tagatccaga tagtattatg tctatagtcg attcactatc 60
 tgtattttaca atcaactcta tggagtattc ttcataatc 99

 <210> 18
 <211> 102
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic primer or template

 <400> 18
 caccggaac tatttctgag aaaccagagg atatagataa ttctaattgc tcgtctgtat 60
 cgaaatcgcg actccggaac caattactga taatgtagaa ga 102

 <210> 19
 <211> 104
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic primer or template

 <400> 19
 tctcgtctgt tgtggattct ccagatgatg catttactgt attaattgcta tcactagtgt 60
 atgtgacggt gtctgtatgg tcttctacat tatcagtaat tggt 104

 <210> 20
 <211> 115
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic primer or template

 <400> 20
 taccggtctc agcgaatcca tcttaacgctc ggaactaact attactatga atcatacaga 60

smallpox.ST25
ttgcaatccc gtatttcgtg aggaatactt ctctgtcctt aataaggtag caact 115

<210>	21
<211>	112
<212>	DNA
<213>	Artificial

<220>
<223> synthetic primer or template

```
<400> 21
agaacctttg ttattacatt taatctcaa atttaaagta cacacctttg aaatattttg 60
atatctatatt tctcctgtaa aaaatcctga agttgctacc ttattaagga ca 112
```

<210>	22
<211>	114
<212>	DNA
<213>	Artificial

<220>
<223> synthetic primer or template

```
<400> 22
aaatgtaata acaaaggttc ttccttcaaa cagctaacga aagcaaagaa tgatgacggt 60
atgatgtcgc attcggagac ggtaactcta gcgggtgact gtctatctag cgtc 114
```

<210>	23
<211>	115
<212>	DNA
<213>	Artificial

<220>
<223> synthetic primer or template

<400> 23
taccggtctc agcgaatcca tctcaacgtc ggaactaact attaccatga atcataaaga 60
ttgtgatccc gtcttttcgtg cagaatactt ctctgtcctt aataatgtag caact 115

<210>	24
<211>	113
<212>	DNA
<213>	Artificial

<220>
<223> synthetic primer or template

```
<400> 24
gatgaatcct tgttggtaca tttaatctcg aaattcagag tacatatcct tgaagtattc 60
tgatatctat tttctcctgt aaagaatcct gaagttgcta cattattaag gac 113
```

<210>	25
<211>	110
<212>	DNA
<213>	Artificial

smallpox.ST25

<220>

<223> synthetic primer or template

<400> 25

aaatgtaaca acaaagattc atcttccaaa cagttaacga aaacaaagaa tgatactatc 60

atgccgcatt cagagacggt aactctagtg ggcgactgtc tatctagcgt 110